

ABSTRACT

**IMAGING METHOD**

5 A method for imaging molecules contained in an array of discrete reaction sites on the surface of a solid support comprises:

(i) imaging the array and detecting a first molecule located on the solid support at a known position with respect to the array;

10 (ii) by reference to the first molecule, aligning inspection windows in registration with the discrete reaction sites; and

(iii) determining the amount of detectable signal in each window.

The method is used to locate the reaction sites accurately on the array, and to correct for any misalignments.